

ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP
JUNE 10, 2010

COMMITTEE MEMBERS PRESENT

Ed Mandich, Committee Chair
Matt Disston, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Teresa Teichman, District Secretary
Kris Hanberg, Wastewater Supervisor
Neil McKenna, Water Supervisor
Bob Beck, Maintenance Supervisor
Michael Perea, Special Projects Manager

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

PUBLIC PARTICIPATION

Public comments were announced. There were no oral or written comments.

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

There were no Director comments.

REPORT FROM THE GENERAL MANAGER

General Manager Don Chadd briefly discussed an article which appeared in the Orange County Register about the El Toro Water District (ETWD) upcoming rate increase. It appears ETWD will be

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structuring their rates and allocation similar to that of the Irvine Ranch Water District (IRWD).

PROJECT MANAGEMENT

**ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL
WATER TREATMENT FACILITY**

Mr. Hector Ruiz, District Engineer, stated there is no new information to report since the time of the last committee meeting. Mr. Ruiz stated the Baker Water Treatment Plant Committee will meet again on June 10, 2010 and a status update will be presented at the time of the Regular Board Meeting.

Mr. Ruiz continued with review of the project schedule and budgetary costs with the Committee. Current and future capacity was discussed.

Mr. Ruiz will be meeting with staff from IRWD to discuss their proposed management of Irvine Lake water for the Baker Water Treatment Plant storage, and as a continued source of supplemental recycled water.

The Engineering/Operational Committee received the status update. No action taken.

**ITEM NO. 1B) STATUS UPDATE AND POSSIBLE ACTION RELATING TO
ROSE CANYON AND LANG WELLS GROUNDWATER TREATMENT
FACILITY**

Mr. Ruiz stated the construction at the site is proceeding smoothly and that good progress is being made. Mr. Ruiz updated the Committee as to the progress and the phases of construction at the site, both current and future.

Mr. Ruiz discussed the delivery of the chlorine contact tank and the demolition of Lang Well building.

Mr. Ruiz advised the Department of Public Health (DPH) is requiring a new resolution from the District which will demonstrate the funding source for the repayment of the State Revolving Fund Loan. Mr. Ruiz stated the proposed resolution is based on a standard form that he is expecting to receive before

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the next Regular Board Meeting. Mr. Ruiz recommended that the resolution be brought to the Board's Action Calendar.

The Engineering/Operational Committee received the status update and recommended staff forward the resolution to the June Board. (Action Calendar).

ITEM NO. 1C) STATUS UPDATE RELATING TO WATER MONITORING AND
WATER CONSERVATION EFFORTS

Mr. Chadd discussed the water allocation tables provided by the Municipal Water District of Orange County (MWDOC) at the time of the May General Manager's meeting.

Mr. Chadd discussed MWDOC's revised allocation of 2,514 acre feet.

Mr. Chadd discussed the current MET shutdown of the AMP line which is not expected to impact TCWD.

The Engineering and Operational Committee received the status update. No action taken.

ITEM NO. 1D) STATUS UPDATES REGARDING ON-GOING ENGINEERING
PROJECTS

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz is continuing to work with the maintenance and wastewater supervisors for selection of a pump for the replacement of the dry pit pumps. Mr. Ruiz plans to order the dry pit pump this month and stated the surge control system will be looked at next month for this pump station.

2. Shadow Rock Detention Basin Project

Mr. Ruiz advised there has been no new progress, still working with developer to obtain easement. Mr. Ruiz has heard back from Southern California Edison (SCE) and has clear information as to their requirements of TCWD.

3. T-mobile Trabuco Highlands Reservoir Antenna Installation

Mr. Ruiz advised the T-Mobile project has been underway for approximately three weeks and is anticipated to be completed within another three weeks. Mr. Ruiz stated the power

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conduits have been installed underground. Dig Alert markings were done in excess around the site; however, the contractor removed the markings after a complaint was received from a resident.

4. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz advised there is no new information to report.

5. El Toro Road Sewer Lift Station

Mr. Ruiz advised he has met with IRWD and discussed their proposed amendment to the existing agreements. The amendment would account for diverting sewage from El Toro Lift Station to the Los Alisos wastewater reclamation plant. Mr. Ruiz is also working with the maintenance supervisor to obtain quotes for replacement of equipment nearing the end of its service life.

6. Dove Lake Evaluation

Mr. Ruiz advised he is working on a scope of work for evaluation of the lake's potential for odor generation and its controls. This project may be considered as a low priority capital project for the upcoming 2010/2011 fiscal year.

7. Stage 2 Disinfection by Products rule

Mr. Ruiz stated this project has been ongoing since 2006 with planning and collection of samples. This project is now complete and the results have confirmed no upgrade is needed at the water treatment plant.

8. Other Projects

There were no other projects discussed.

The Engineering/Operational Committee received the status updates. No action taken.

ITEM 1E) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Orange County Fire Authority Sewer System Project

Mr. Ruiz advised the project is 70% complete. Relocation of a section of an 8-inch line was required. The water line is

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owned by the County of Orange and serves the OCFA and O'Neill Park system. Currently the laterals and manhole covers are being installed in order to tie into the existing bathrooms. Completion of the project is anticipated within another two to three weeks.

2. Oaks at Trabuco

Mr. Ruiz reported the contractor has checked out a hydrant meter for grading on lot 2. Two additional homes may be completed by next year.

3. Rancho Las Lomas

There is no new activity to report.

4. Other Active Developments

Mr. Ruiz stated he has received a couple of calls from contractors requesting the District's Standard specifications needed for water and sewer service for the Highland Estates project, however; no formal requests have been made to the District.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1F) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor provided the May 2010 update.

Source Water Production

1. The water treatment plant production totaled 148 acre feet.
2. The Rose Canyon Well produced 49 acre feet and the Lang Well produced 32 acre feet.
3. The average daily demand was 7.5 acre feet, or 3.8 cfs.

Projects and Repairs

1. Water Department Personnel installed a static mixer at the Dimension Filtration Plant.

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2. Water Department Personnel replaced a 1-inch angle stop on Oakridge Street in the lower Robinson Ranch community.
3. Water Department Personnel repaired a 1-inch service line on Hummingbird Lane in the Walden community.

Mr. McKenna briefly discussed the current MET shut-down and stated TCWD is not impacted.

Mr. McKenna reported a contractor working for the Hamilton Trails HOA hit TCWD's 8-inch water line while digging for a storm drain. TCWD personnel performed the repairs which will be billed to the contractor. TCWD did receive a call from a customer stating their booster pumps burned out due to the line break; the customer was referred to the contractor.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1G) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the May 2010 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 63.0 acre feet.
2. The recycled water demand was 82 acre feet.
3. Dove Lake had 2 feet of freeboard.
4. The reclaimed water reservoir had 3 feet of freeboard.
5. The District pumped a total of 24 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 10 acre feet.

Projects

1. District Personnel dredged out the Dove Creek Dry Season Basin which was full of silt from the rains.
2. District Personnel have implemented Southern California Edison's Time of Use (TOU) scheduling for waste water plant operations beginning June 1, 2010. The SBR's are shut down each day from 12noon until 4 p.m. for these TOU's cost savings.

Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Report for May. Mr. Hanberg also reported there was a sewer

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spill from a broken 1-inch air release valve that is connected to an 8-inch force main in the Santa Margarita Parkway median across from Trabuco hills High School. The broken valve caused 1,800 gallons of sewage to spill into the Los Aliso creek bed which was dry at the time. The spill was reported to all appropriate agencies.

The Engineering/Operational Committee received the status update. No action taken.

ITEM NO. 1H) May 2010 OPERATIONAL REPORT REVIEW

There were no anomalies to report.

Mr. McKenna advised hydrant flushing is complete and will resume again in October when the weather cools. Mr. McKenna reported all hydrants are in good working order in the Robinson Ranch community and they have been painted and marked. Hydrants found to have pressure's below 20 pounds per square inch on Hamilton Trail have also been properly marked and identified.

The Engineering/Operational Committee received and filed the report. No action taken.

ITEM NO. 1I) ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the May 13, 2010 Engineering/Operational Committee Meeting Recap.(Consent Calendar.)

ITEM NO. 1J) OTHER MATTERS/REPORT

There were no other matters discussed.

Recommended Action: Hear Other Matters/Reports that may have arisen after the posting of the agenda.

ADJOURNMENT

Committee Chair Mandich adjourned the June 10, 2010 Engineering/Operational Committee Meeting at 7:52 a.m.